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=> s ((antibiotic) and ceramic)  
L1 1909 ((ANTIBIOTIC) AND CERAMIC)

=> s l1 and zeolite  
L2 73 L1 AND ZEOLITE

=> s l2 and (ion exchang?)  
L3 37 L2 AND (ION EXCHANG?)

=> s l3 and silver  
L4 27 L3 AND SILVER

=> s l4 and hyaluron?  
L5 3 L4 AND HYALURON?

=> d l5 1-3 ibib abs

L5 ANSWER 1 OF 3 USPATFULL on STN  
ACCESSION NUMBER: 2004:135614 USPATFULL  
TITLE: Interface for iontophoresis  
INVENTOR(S): Yanai, Shigeo, Himeji, JAPAN  
Iga, Katsumi, Suita, JAPAN  
Matsumoto, Yukihiro, Ikeda, JAPAN  
Higo, Naruhito, Ryugasaki, JAPAN  
PATENT ASSIGNEE(S): Hisamitsu Pharmaceutical Co., Inc., Saga, JAPAN  
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6743432	B1	20040601
APPLICATION INFO.:	US 1996-659370		19960606 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1995-172722	19950614
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Webman, Edward J.	
LEGAL REPRESENTATIVE:	Wenderoth, Lind & Ponack, L.L.P.	

NUMBER OF CLAIMS: 14  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 8 Drawing Figure(s); 5 Drawing Page(s)  
LINE COUNT: 1225

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A hydrophilic membrane having a low adsorptivity for a protein is disposed, as an interface, on a side to be contacted with a skin, and a drug such as a physiologically active peptide is transdermally delivered by iontophoresis. The membrane has an adsorptivity for a protein of not greater than 10 µg/cm.sup.2. The thickness of the membrane is about 10 to 200 µm, and the porosity of the membrane is about 60 to 90%. Such membrane includes a hydrophilized fluoro-resin membrane, a hydrophilized polysulfone membrane and a hydrophilized cellulose derivative membrane.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 2 OF 3 USPATFULL on STN

ACCESSION NUMBER: 2002:133243 USPATFULL  
TITLE: Bi-laminar, **hyaluronan** coatings with  
**silver**- based anti-microbial properties  
INVENTOR(S): Trogolo, Jeffrey A., Boston, MA, UNITED STATES  
Johnston, James B., Ambler, PA, UNITED STATES  
Pastecki, Elizabeth A., Malden, MA, UNITED STATES  
Pervin, Elizabeth, Philadelphia, PA, UNITED STATES  
Stahl, Amy, New Milford, CT, UNITED STATES  
Hyman, Mark, Woburn, MA, UNITED STATES  
PATENT ASSIGNEE(S): Biocoat Incorporated (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002068093	A1	20020606
APPLICATION INFO.:	US 2001-940849	A1	20010829 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-229149P	20000830 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	WILLIAM H. EILBERG, ATTORNEY AT LAW, 420 OLD YORK ROAD, JENKINTOWN, PA, 19046	
NUMBER OF CLAIMS:	41	
EXEMPLARY CLAIM:	1	
LINE COUNT:	798	

AB An article including a surface having a coating thereon, in which the coating includes a base coat, firmly adhered to the surface, and a hydrophilic, biocompatible top-coat. An **antibiotic ceramic** component is dispersed in one or both of the base coat and top-coat. Preferably, the **ceramic** component is dispersed in the base coat. In a preferred embodiment, the **ceramic** component is a **zeolite** with **silver** ions exchanged onto internal acidic sites of the **zeolite**, and the top-coat includes a polysaccharide, such as **hyaluronan**. The **zeolite** is highly effective in imparting anti-microbial character to the coating.

L5 ANSWER 3 OF 3 EUROPATFULL COPYRIGHT 2004 WILA on STN

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

ACCESSION NUMBER: 748636 EUROPATFULL EW 199651 FS OS  
TITLE: Interface for iontophoresis.  
Schnittstelle fuer Iontophorese.

INVENTOR(S): Interface pour iontophorese.  
Yanai, Shigeo, 26, Ichinogo-cho 2-chome, Himeji, Hyogo  
670, JP;  
Iga, Katsumi, 1-A-808, Satsukigaokanishi, Suita, Osaka  
565, JP;  
Matsumoto, Yukihiro, 3-3-3-201, Johnan, Ikeda, Osaka  
563, JP;  
Higo, Naruhito, 6-3, Koshiba 4-chome, Ryugasaki, Ibaraki  
301, JP

PATENT ASSIGNEE(S): TAKEDA CHEMICAL INDUSTRIES, LTD., 1-1, Doshomachi  
4-chome, Chuo-ku, Osaka 541, JP HISAMITSU PHARMACEUTICAL  
CO. INC., 408, Tashirodaikanmachi, Tosu-shi Saga-ken  
841, JP

PATENT ASSIGNEE NO: 204706; 444623

AGENT: von Kreisler, Alek, Dipl.-Chem. et al, Patentanwaelte,  
von Kreisler-Selting-Werner, Bahnhofsvorplatz 1  
(Deichmannhaus), 50667 Koeln, DE

AGENT NUMBER: 12437

OTHER SOURCE: ESP1996069 EP 0748636 A2 961218

SOURCE: Wila-EPZ-1996-H51-T2b

DOCUMENT TYPE: Patent

LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch

DESIGNATED STATES: R AT; R BE; R CH; R DE; R DK; R ES; R FI; R FR; R GB; R  
GR; R IE; R IT; R LI; R LU; R NL; R PT; R SE

PATENT INFO.PUB.TYPE: EPA2 EUROPÄISCHE PATENTANMELDUNG

PATENT INFORMATION:

PATENT NO	KIND	DATE
EP 748636	A2	19961218
		19961218
EP 1996-108894		19960604
JP 1995-172722		19950614

GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

ACCESSION NUMBER: 748636 EUROPATFULL EW 200335 FS PS

TITLE: Interface for iontophoresis.  
Schnittstelle fuer Iontophorese.  
Interface pour iontophorese.

INVENTOR(S): Yanai, Shigeo, 26, Ichinogo-cho 2-chome, Himeji, Hyogo  
670, JP;  
Iga, Katsumi, 1-A-808, Satsukigaokanishi, Suita, Osaka  
565, JP;  
Matsumoto, Yukihiro, 3-3-3-201, Johnan, Ikeda, Osaka  
563, JP;  
Higo, Naruhito, 6-3, Koshiba 4-chome, Ryugasaki, Ibaraki  
301, JP

PATENT ASSIGNEE(S): HISAMITSU PHARMACEUTICAL CO., INC., 408,  
Tashirodaikan-machi, Tosu-shi Saga 841-0017, JP

PATENT ASSIGNEE NO: 444625

AGENT: von Kreisler, Alek, Dipl.-Chem. et al., Patentanwaelte,  
von Kreisler-Selting-Werner, Bahnhofsvorplatz 1  
(Deichmannhaus), 50667 Koeln, DE

AGENT NUMBER: 12437

OTHER SOURCE: MEPB2003045 EP 0748636 B1 0025

SOURCE: Wila-EPS-2003-H35-T2

DOCUMENT TYPE: Patent

LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch

DESIGNATED STATES: R AT; R BE; R CH; R DE; R DK; R ES; R FI; R FR; R GB; R  
GR; R IE; R IT; R LI; R LU; R NL; R PT; R SE

PATENT INFO.PUB.TYPE: EPB1 EUROPÄISCHE PATENTSCHRIFT

PATENT INFORMATION:

PATENT NO	KIND	DATE

	EP 748636	B1 20030827
'OFFENLEGUNGS' DATE:		19961218
APPLICATION INFO.:	EP 1996-108894	19960604
PRIORITY APPLN. INFO.:	JP 1995-172722	19950614
REFERENCE PAT. INFO.:	EP 411146 A	WO 91-16943 A
	WO 92-04938 A	WO 93-01807 A
	WO 95-09031 A	US 4927408 A
REF. NON-PATENT-LIT.:	PATENT ABSTRACTS OF JAPAN vol. 18, no. 222 (C-1193), 21 April 1994 & JP06016535 A (JAPAN TOBACCO INC.), 25 January 1994,	